

Permit #: 20072

Date Issued: 4.8.93

County: Bates

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: 4.21.93

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	4-8-93
3i	
4	
4i	
5	4-30-93
6	
7	4-30-93
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs			
Samples	chip		
	core		
Analyses	water		
	core		

Additional Submitted Data:



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
APR 08 1993

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☐ FOR GAS WELL

NAME OF COMPANY OR OPERATOR: Colt Energy, Inc. DATE: 4-8-93
ADDRESS: Box 388 CITY: Iola, STATE: KS ZIP CODE: 66749

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: Karlin-Harden WELL NUMBER: 4-22 ELEVATION (GROUND): 855

WELL LOCATION: 252 FT. FROM (IN)S SECTION LINE 2200 FEET FROM (E) (W) SECTION LINE

WELL LOCATION: SECTION 22 TOWNSHIP 41 RANGE 33 COUNTY Bates

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 1600 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE ----- FEET

PROPOSED DEPTH: 650 DRILLING CONTRACTOR, NAME AND ADDRESS: Evans Energy Deve, Inc. ROTARY OR CABLE TOOLS: Rotary APPROX. DATE WORK WILL START: 4-12-93

NUMBER OF ACRES IN LEASE: 2080 NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 1
NUMBER OF ABANDONED WELLS ON LEASE: 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME: _____ NO. OF WELLS: PRODUCING 0
ADDRESS: _____ INJECTION 0
INACTIVE 0
ABANDONED 0

STATUS OF BOND: ☐ SINGLE WELL AMOUNT \$ _____ ☒ BLANKET BOND AMOUNT \$ 80,000 ☒ ON FILE ☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)

PROPOSED CASING PROGRAM

AMOUNT	SIZE	WT/FT	CEM.
30	6 5/8	17	6sx
650	2 7/8	6.4	60sxs

APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEM.
30	6 5/8	17	6 sx
650	2 7/8	6.4	60 sxs

I, the undersigned, state that I am the Agent of the Colt Energy, Inc. (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE: [Signature] DATE: 4-8-93

PERMIT NUMBER: #20072 APPROVAL DATE: 4-9-93
APPROVED BY: [Signature]
☒ DRILLER'S LOG REQUIRED ☒ E-LOGS REQUIRED IF RUN
☒ CORE ANALYSIS REQUIRED IF RUN ☒ DRILL STEM TEST INFO. REQUIRED IF RUN
☒ SAMPLES REQUIRED
☐ SAMPLES NOT REQUIRED
☐ WATER SAMPLES REQUIRED AT _____

NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I, _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE: _____ DATE: _____

W. C. LETHCHO
COUNTY ENGINEER & SURVEYOR
Bates County Court House
BUTLER, MO. 64730
Phone 679-4031

APRIL 7, 1993

WELL REFERENCE TIES
SECTION 22, TOWNSHIP 41 NORTH,
RANGE 33 WEST

SHEET 1 OF 2

FOR: COLT ENERGY, INC.
4500 COLLEGE BLVD SUITE 308
OVERLAND PARK, KS 66211

ATTN: JOHN GOLSON
913-451-3807

REFERENCE:

- A - N24°E 41.7' TO 22" WALNUT
- B - S85°E 47.7' TO BOLT 1' SOUTH
OF NORTHWEST CORNER OF OLD
FOUNDATION
- C - S26°W 31.7' TO 28" MAPLE
- D - S51°E 58.2' TO 24" MAPLE

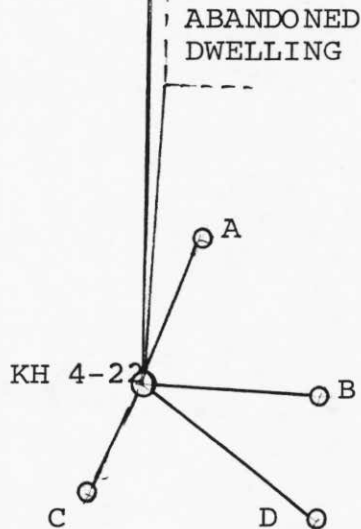
PROPOSED WELL IS 252' SOUTH OF
SECTION LINE

SECTION LINE

PUBLIC ROAD

1"=50'
MAG BRGS
8° EAST DECL

PROPOSED WELL
KARLIN/HARDIN 4-22



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THIS IS TO CERTIFY THE REFERENCE TIES SHOWN ARE IN
ACCORDANCE WITH CURRENT MINIMUM STANDARDS.



1" = 400' ±

T44N R33W

65-06-6

Co. Road

40'

15 14
22 23

511.6 Ac.(c)

2200' ±

K-H 4-22

T41N
R33W

252'

WELL LOCATION MAP BATES COUNTY TAX
MAP 65-06-5

SHEET 2 OF 2

K-H 4-22

3

80.0 Ac
77.6 Ac.(c)



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☐ OIL ☐ GAS ☒ DRY

OWNER Colt Energy, Inc.		ADDRESS P.O. Box 388, Topeka, Kansas 66749		
LEASE NAME Karlin-Harden		WELL NUMBER 4-22		
LOCATION 252FNL 2200FEL		SEC. TWP. AND RANGE OR BLOCK AND SURVEY 22-41-33		
COUNTY Bates	PERMIT NUMBER (OGC-3 OR OGC-31) 20072			
DATE SPUDDED 4-20-93	DATE TOTAL DEPTH REACHED 4-21-93	DATE COMPLETED READY TO PRODUCE OR INJECT -----	ELEVATION (OF, RKR, RT, OR Gr.) FEET 855	ELEVATION OF CASING HD. FLANGE ----- FEET
TOTAL DEPTH 530	PLUG BACK TOTAL DEPTH Plugged well to surface			
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION None		ROTARY TOOLS USED (INTERVAL) 530 TO Native		CABLE TOOLS USED (INTERVAL) None
WAS THIS WELL DIRECTIONALLY DRILLED? No	WAS DIRECTIONAL SURVEY MADE? No	WAS COPY OF DIRECTIONAL SURVEY FILED? No		DATE FILED No
TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) Drillers Log				DATE FILED 4-27-93

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	9 5/8	7	17#	20	6	4'

TUBING RECORD

LINER RECORD

SIZE IN.	DEPTH SET FEET	PACKER SET AT FEET	SIZE INCH	TOP FEET	BOTTOM FEET	SACKS CEMENT	SCREEN FEET
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PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

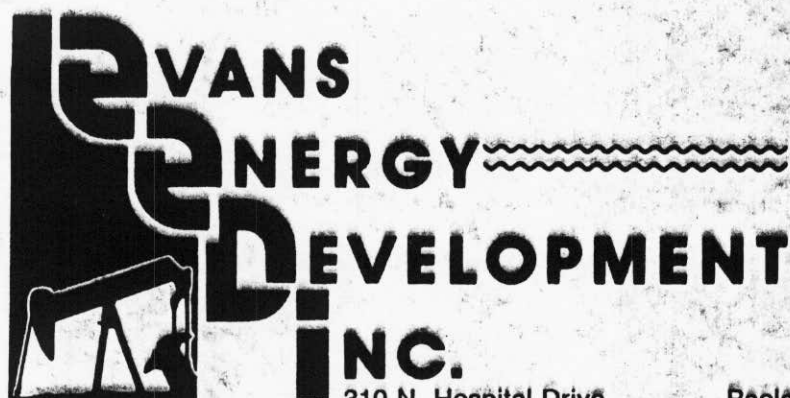
NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP.)					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST bbls.	GAS PRODUCED DURING TEST MCF	WATER PRODUCED DURING TEST bbls.	OIL GRAVITY API (CORR.)	
TUBING PRESSURE	CASING PRESSURE	CALC'D RATE OF PRODUCTION PER 24 HOURS		OIL bbls.	GAS MCF	WATER bbls.	GAS OIL RATIO
DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD) Pumped out - Pushed pit in							
METHOD OF DISPOSAL OF MUD PIT CONTENTS							

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE Agent OF THE Colt Energy, Inc. COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE 4-27-93	SIGNATURE
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310 N. Hospital Drive

Paola, Kansas 66071

Custom
oil & gas
drilling
Lease Development

(913) 294-9083

WELL LOG
Karlin - Harden #4-22
Colt Energy, Inc.
April 20 - April 21, 1993

Thickness of Strata	Formation	Total
11	soil & clay	11
2	lime	13
25	shale	38
5	lime	43
6	shale	49
7	lime & shale	56
2	coal	58
3	shale	61
14	lime	75
14	shale	89
6	lime	95
34	shale	129
4	shale & lime	133-lime has light oil bleeding
14	lime	147
16	shale	159
3	lime	162
6	shale	168-light green
2	shale & lime	170
11	sand & shale	181-20% light bleeding brown sand, green shale
14.4	shale	195.4
2.3	sand & shale	197.7-30% brown good bleeding sand, 70% gray shale
2.9	sand	200.6-90% brown good bleeding sand, 10% gray shale
4.4	silt & sand	205-laminated gray silt & brown bleeding sand laminations
6	silt & shale	212-gray
1	sand & shale	213
1	sand	214-brown, bleeding well, drilled
1.5	sand	215.5-brown, bleeding well, few thin shale laminations
.9	sand & shale	216.4-50% bleeding sand, 50% shale
6.6	shale	222
3	shale & silt	225-few thin bleeding laminations
3.2	shale	228.2
.3	sand	228.5-brown, bleeding well
2.5	sand & shale	231-very laminated, 60% bleeding sand 40% silty shale
2.2	sand	233.2-brown, bleeding well
4.8	sand & shale	238-50% brown bleeding sand, 50% silty shale

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Karlin - Harden #4-22 (con't)

2	silty sand	240-gray, few brown bleeding laminations
14	silty sand	254-gray, no show
6	shale	260
3	lime	263-brown
1	shale	264-black
1	shale & shells	265-black shale & sea shells
5	shale	270-black
9	shale	279-light gray
1	sand & shale	280-30% good bleeding sand, 70% light gray shale
1	sand	281-brown, good oil bleeding
1	sand & shale	282-50% good bleeding sand, 50% light gray shale
3	shale	285
7	sand	292-brown, good bleeding, drilled
6	shale	298-light gray, silty
54	shale	352-dark
3	sand	355
4	shale	359
6	sand	365-light brown, no show
4	sand	369-light brown sand & black sand
5	sand & shale	374-gray sand & dark shale laminated
9	shale	383
2	sand & shale	385-light brown sand & light gray shale
13	shale	398
16	sand	414-tan in color, fine grained, tight
4	silt & sand	418-dark shale & light gray sand, laminated
8	shale	426-light gray, silty
8	sand & shale	434
4	shale	438
10	silt & shale	448-light gray silty shale & dark shale
32	shale	480-dark
9	sand & shale	489-gray sand & dark shale
7	shale	496-dark
8	sand & shale	504-gray sand & dark shale
16	shale	518-dark
12	sand	530-TD

Set 20.0' of 7" T & C Surface Casing.

This well was plugged with cement from 530' to the surface on 4/22/93.

Squirrel Core Times

	<u>Min.</u>	<u>Sec.</u>
182	1	20
183	1	40
184	1	35
185	1	35
186	1	35
187	1	35
188	1	40
189	1	45
190	1	50

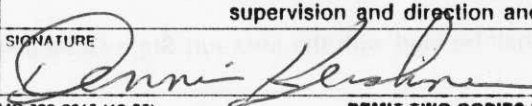
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
PLUGGING RECORD

FORM OGC-7

OWNER Colt Energy, Inc.		ADDRESS P.O. Box 388 , Iola, Kansas 66749	
NAME OF LEASE Karlin-Harden		WELL NUMBER 4-22	PERMIT NUMBER (OGC-3 OR OGC-31 NUMBER) 20072
LOCATION OF WELL 252FNL 2200FEL		SEC. TWP. R. NG OR BLOCK & SURVEY 22-41-33	COUNTY Bates
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF: Colt Energy, Inc.		HAS THIS WELL EVER PRODUCED OIL OR GAS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CHARACTER OF WELL AT COMPLETION (INITIAL PRODUCTION) OIL (BBLS/DAY) _____ GAS (MCF/DAY) _____ DRY? Dry
DATE ABANDONED 4-21-93	TOTAL DEPTH 530	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBLS/DAY) _____ GAS (MCF/DAY) _____	WATER (BBLS/DAY) _____
Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment.		Fluid content of each formation	Depth interval of each formation
Squirrel		Oil	170-240
Cattleman		Oil	279-292
Bartlesville		Dry No Show	398-416
SIZE PIPE	PUT IN WELL (FT)	PULLED OUT (FT)	LEFT IN WELL (FT)
7"	20'	4'	16'
GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.)			
Cut pipe off below plow depth.			
PACKERS AND SHOES			
WAS WELL FILLED WITH MUD-LADEN FLUID?		INDICATE DEEPEST FORMATION CONTAINING FRESH WATER	
NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE			
NAME		ADDRESS	DIRECTION FROM THIS WELL
Charles Karlin		11917 Goddard	Landowner
		Overland Park, KS 66213	
METHOD OF DISPOSAL OF MUD PIT CONTENTS		Pumped out fluid - pushed pit in.	
NOTE		FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL)	
CERTIFICATE ▶ I, the undersigned, state that I am the _____ Agent _____ of the Colt Energy, Inc. (Company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.			
SIGNATURE 		DATE 4-27-93	

STATION Ottawa OPERATOR Fried Mader

P.O. Box 884

Ticket 88558

CONSOLIDATED OIL WELL SERVICES, INC.

Chanute, Kansas 66720

Phone (316) 431-9210

Date <u>4-21-93</u>	Customer's Acct. No. <u>1828</u>	Sec. <u>22</u>	Twp. <u>41</u>	Range <u>33</u>	Well No. & Farm # <u>Karlin-Hardin 4-22</u>	Place or Destination <u>Amsterdam</u>
Charge To <u>Colt Energy Inc.</u>				Owner <u>Evans Energy Dev.</u>		County <u>Bates</u>
Mailing Address <u>P.O. Box</u>				Contractor <u>Evans Energy Dev.</u>		State <u>Mo.</u>
City & State <u>Jolice, KS 66749</u>				Well Owner Operator Contractor		

CEMENTING SERVICE DATA

TYPE OF JOB	CASING	HOLE DATA	PLUGS AND HEAD	PRESSURE	CEMENT LEFT IN CASING
Surface	New	Bore Size <u>5 5/8</u>	Bottom	Circulating	Requested
Production	Used	Total Depth <u>520'</u>	Top	Minimum	Necessity
Squeeze	Size		Head	Maximum	Measured
Pumping	Weight	Cable Tool	FLOAT EQUIPMENT		Sacks Cement <u>72</u>
Other	Depth	Rotary			Type & Brand <u>Portland A. Poz Mix</u>
	Type				Admixes <u>6% Gel.</u>

FRACTURING - ACIDIZING SERVICE DATA

Type of Job	At Intervals of					
Bbls Fracturing Fluid	Breakdown Pressure from		psi to		psi	
Treating Pressures: Maximum	psi	Minimum	psi	Avg. Pump Rate	GPM/BPM	Close In
Sand	Gals. Treating Acid		Type		Open Hole Diameter	
Well Treating Through: Tubing	Casing	Annulus		Size	Weight	
Remarks:						
No. Perforations	Pay Formation Name				Depth of Job	Ft.

CEMENTING

INVOICE SECTION

APR 30 1993

FRACTURING - ACIDIZING

Pumping Charge	Office Use	\$	Pumping Charge	Office Use	\$
<u>Plug 1 well</u>					
Pumping Charge @		\$ 345.00	Pumping Charge @		\$
<u>72</u> Sacks Bulk Cement	@	378.00	12x30 Sand	@	
Ton Mileage on Bulk Cement <u>60</u>	@	60.00	10x20 Sand	@	
<u>55x</u> Premium Gel	@	34.50	x Sand	@	
Flo-Seal	@		Ton Mileage	@	
Calcium Chloride	@		Gals., Acid	@	
Plug	@		Chemicals	@	
	@		<u>Plug From Bottom to Top</u>		
Equipment	@			@	
	@			@	
	@			@	
	@			@	
	@		Potassium Chloride	@	
	@		Rock Salt	@	
Granulated Salt	@		Water Gel	@	
Transport Truck (Hrs.)	@		Transport Truck (Hrs.)	@	
Vac Truck (Hrs.)	@		Vac Truck (Hrs.)	@	
<u>Rig Water</u>	@			@	
		Tax			Tax
		26.40			

A Finance Charge computed at 1 1/4% per month (annual percentage rate of 21%) will be added to balance over 30 days.

Total \$ 843.90

Total \$

135910